

## Results for Search Question:

((thermally assisted) or (thermal spring)) AND (MR or magnetoresistive)

5 answers in C<sub>A</sub>plus

0 answers in CEABA-VTB

5 answers in COMPENDEX

Error searching in ENERGY

11 answers in INSPEC

7 answers in PASCAL

4 answers in SCISEARCH

32 total hits

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<input type="checkbox"/>	<a href="#">Clear</a>	<a href="#">Titles from C<sub>A</sub>plus in Most Recent Order   Best Match Order</a>
<input checked="" type="checkbox"/>	1	Multistate per-cell magnetoresistive random-access memory written at Curie point [\$4.55]
<input checked="" type="checkbox"/>	2	Disk recording beyond 100 Gb/in. <sup>2</sup> : Hybrid recording? (invited) [\$4.55]
<input checked="" type="checkbox"/>	3	On the structure and magnetic properties of the series RBa <sub>2</sub> Fe <sub>3</sub> O <sub>8+x</sub> (R = La, Nd, Sm, Gd) [\$4.55]
<input checked="" type="checkbox"/>	4	Magnetic and structural properties of iron(100)/silver(100) single-crystal multilayer films with ultrathin iron layers [\$4.55]
<input checked="" type="checkbox"/>	5	Radioactivity of geothermal systems [\$4.55]
		<a href="#">Titles from COMPENDEX in Most Recent Order   Best Match Order</a>
<input checked="" type="checkbox"/>	6	Scaling and power of thermally written MRAM. [\$3.36]
<input checked="" type="checkbox"/>	7	Nanoscale energy transport in information technology research with an application to high-density data storage devices and systems. [\$3.36]
<input checked="" type="checkbox"/>	8	Multistate per-cell magnetoresistive random-access memory written at curie point. [\$3.36]
<input checked="" type="checkbox"/>	9	Hybrid recording method using thermally assisted writing and flux sensitive detection. [\$3.36]
<input checked="" type="checkbox"/>	10	On the structure and magnetic properties of the series RBa <sub>2</sub> Fe <sub>3</sub> O <sub>8</sub> plus x (R equals La, Nd, Sm, Gd). [\$3.36]
		<a href="#">Titles from INSPEC in Most Recent Order   Best Match Order</a>
<input checked="" type="checkbox"/>	11	Thermally assisted switching of exchange coupled bi-layer with different ordering temperature [\$3.27]
<input checked="" type="checkbox"/>	12	A study of highly-sensitive specular spin-valve films with a nano-oxide-layer [\$3.27]
<input checked="" type="checkbox"/>	13	Scaling and power of thermally written MRAM [\$3.27]
<input checked="" type="checkbox"/>	14	Specular spin-valve films with an FeCo nano-oxide layer by ion-assisted oxidation [\$3.27]
<input checked="" type="checkbox"/>	15	Thermal relaxation in exchange coupled ferromagnet/antiferromagnet bilayers [\$3.27]
<input checked="" type="checkbox"/>	16	Multistate per-cell magnetoresistive random-access memory written at Curie point [\$3.27]
<input checked="" type="checkbox"/>	17	A hybrid recording method using thermally assisted writing and flux sensitive detection [\$3.27]
<input checked="" type="checkbox"/>	18	Disk recording beyond 100 Gb/in. <sup>2</sup> : Hybrid recording? [\$3.27]
		<a href="#">On the structure and magnetic properties of the series RBa<sub>2</sub>Fe<sub>3</sub>O<sub>8+x</sub> (R=La,Nd,Sm,Gd) [\$3.27]</a>

<input type="checkbox"/> 19	
<input type="checkbox"/> 20	Thermal asperity trends [\$3.27]
<input type="checkbox"/> 21	Magnetic and structural properties of Fe(100)/Ag(100) single-crystal multilayer films with ultrathin Fe layers [\$3.27]
<a href="#">Titles from PASCAL in Most Recent Order</a>   <a href="#">Best Match Order</a>	
<input type="checkbox"/> 22	Multistate per-cell magnetoresistive random-access memory written at Curie point Selected papers from the 2002 international magnetics conference (INTERMAG 2002), Amsterdam, The Netherlands, April 28-May 2, 2002 (Part I of two parts) [\$3.20]
<input type="checkbox"/> 23	Specular spin-valve films with an FeCo nano-oxide layer by ion-assisted oxidation [\$3.20]
<input type="checkbox"/> 24	Composite coatings with dry lubrication ability on light metal substrates Proceedings of Symposium C on Protective Coatings and Thin Films-01, E-MRS Spring Conference, Strasbourg, France, June 5-8 2001 [\$3.20]
<input type="checkbox"/> 25	Thermally assisted tunnelling in Cu(In, Ga)Se <sub>2</sub> -based photovoltaic devices Papers presented at the 1999 E-MRS Spring Conference, Symposium O: Chalcogenide Semiconductors for Photovoltaics [\$3.20]
<input type="checkbox"/> 26	Disk recording beyond 100 Gb/in. <sup>2</sup> : Hybrid recording? (invited) [\$3.20]
<input type="checkbox"/> 27	On the structure and magnetic properties of the series RBa <sub>2</sub> Fe <sub>3</sub> O <sub>8+x</sub> (R=La, Nd, Sm, Gd) [\$3.20]
<input type="checkbox"/> 28	Investigation of inhomogeneous structures of near-surface-layers in ion-implanted silicon [\$3.20]
<a href="#">Titles from SCISEARCH in Most Recent Order</a>   <a href="#">Best Match Order</a>	
<input type="checkbox"/> 29	Multistate per-cell magnetoresistive random-access memory written at Curie point [\$7.25]
<input type="checkbox"/> 30	Disk recording beyond 100 Gb/in.(2): Hybrid recording? (invited) [\$7.25]
<input type="checkbox"/> 31	On the structure and magnetic properties of the series RBa <sub>2</sub> Fe <sub>3</sub> O <sub>8+x</sub> (R = La, Nd, Sm, Gd) [\$7.25]
<input type="checkbox"/> 32	Dissimilatory reduction of Fe(III) and other electron acceptors by a <i>Thermus</i> isolate [\$7.25]

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## Results for Search Question:

(magnetooptic or photomagnetic or optomagnetic or (magneto optic) or (photo magnetic) or (opto magnetic)) AND (MR or magnetoresistive or (magneto resistive)) AND (perpendicular or vertical)

5 answers in C<sup>A</sup>plus

0 answers in CEABA-VTB

8 answers in COMPENDEX

Error searching in ENERGY

11 answers in INSPEC

4 answers in PASCAL

2 answers in SCISEARCH

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<input checked="" type="checkbox"/>	1	Sandwiched thin-film structures for the magnetoresistive spin-tunnelling sensors [\$4.55]
<input checked="" type="checkbox"/>	2	Evidence for domain formation near the Curie temperature in ultrathin Ni/Cu (001) films with perpendicular anisotropy [\$4.55]
<input checked="" type="checkbox"/>	3	The magnetoresistance of sub-micron Fe wires [\$4.55]
<input checked="" type="checkbox"/>	4	Properties of amorphous terbium-iron and gadolinium-iron thin films for perpendicular recording [\$4.55]
<input checked="" type="checkbox"/>	5	The rf sputtering of highly bismuth-substituted garnet films on glass substrates for magneto-optic memory [\$4.55]
<a href="#">Titles from COMPENDEX in Most Recent Order   Best Match Order</a>		
<input checked="" type="checkbox"/>	6	Sandwiched thin-film structures for the magnetoresistive spin-tunnelling sensors. [\$3.36]
<input checked="" type="checkbox"/>	7	New recording method combining thermo-magnetic writing and flux detection. [\$3.36]
<input checked="" type="checkbox"/>	8	Evidence for domain formation in ultrathin Ni/Cu(0.0.1) films near the Curie temperature. [\$3.36]
<input checked="" type="checkbox"/>	9	Proceedings of the 1996 IEEE International Magnetics Conference (INTERMAG'96). Part 1 (of 3). [\$3.36]
<input checked="" type="checkbox"/>	10	Magnetoresistance of sub-micron Fe wires. [\$3.36]
<input checked="" type="checkbox"/>	11	5th Joint MMM-Intermag Conference. [\$3.36]
<input checked="" type="checkbox"/>	12	PROPERTIES OF AMORPHOUS TbFe AND GdFe THIN FILMS FOR PERPENDICULAR RECORDING. [\$3.36]
<input checked="" type="checkbox"/>	13	FACTORS AFFECTING THE PERFORMANCE OF A THIN FILM MAGNETORESISTIVE VECTOR MAGNETOMETER. [\$3.36]
<a href="#">Titles from INSPEC in Most Recent Order   Best Match Order</a>		
<input checked="" type="checkbox"/>	14	Intermag Europe 2002 Digest of Technical Papers. 2002 IEEE International Magnetics Conference (Cat. No. 02CH37323) [\$3.27]
<input checked="" type="checkbox"/>	15	Advanced recording method using a near-field optics and the GMR head [\$3.27]
<input checked="" type="checkbox"/>	16	Sandwiched thin-film structures for the magnetoresistive spin-tunnelling sensors [\$3.27]

<input checked="" type="checkbox"/> 17	Evidence for domain formation in ultrathin Ni/Cu(001) films near the Curie temperature [\$3.27]
<input checked="" type="checkbox"/> 18	Development of the spin-valve transistor [\$3.27]
<input checked="" type="checkbox"/> 19	Evidence for domain formation near the Curie temperature in ultrathin Ni/Cu (001) films with perpendicular anisotropy [\$3.27]
<input checked="" type="checkbox"/> 20	1996 Digests of INTERMAG '96, 1996 IEEE International Magnetics Conference [\$3.27]
<input checked="" type="checkbox"/> 21	The magnetoresistance of sub-micron Fe wires [\$3.27]
<input checked="" type="checkbox"/> 22	Interlayer exchange, magnetotransport, and magnetic domains in Fe-Cr layered structures [\$3.27]
<input checked="" type="checkbox"/> 23	Properties of amorphous TbFe and GdFe thin films for perpendicular recording [\$3.27]
<input checked="" type="checkbox"/> 24	RF sputtering of highly Bi-substituted garnet films on glass substrates for magneto-optic memory [\$3.27]
Titles from PASCAL in Most Recent Order   Best Match Order	
<input checked="" type="checkbox"/> 25	Effect of ion irradiation on the structural and magnetic properties of sputtered CoPt alloy. Current Trends in Nanotechnologies: From Materials to Systems: Proceedings of Symposium Q, E-MRS Spring Meeting 2002, June 18-21, 2002 [\$3.20]
<input checked="" type="checkbox"/> 26	Sandwiched thin-film structures for the magnetoresistive spin-tunnelling sensors. Proceedings of the Second European Magnetic Sensors and Actuators Conference EMSA 98, 13-15 July 1998, University of Sheffield, UK [\$3.20]
<input checked="" type="checkbox"/> 27	Evidence for domain formation in ultrathin Ni/Cu(0.0.1) films near the Curie temperature [\$3.20]
<input checked="" type="checkbox"/> 28	The magnetoresistance of sub-micron Fe wires [\$3.20]
Titles from SCISEARCH in Most Recent Order   Best Match Order	
<input checked="" type="checkbox"/> 29	Sandwiched thin-film structures for the magnetoresistive spin-tunnelling sensors [\$7.25]
<input checked="" type="checkbox"/> 30	THE MAGNETORESISTANCE OF SUBMICRON FE WIRES [\$7.25]

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## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	145	thermal adj spring	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/24 12:17
L2	811	thermally\$1assisted (thermally adj assisted)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/24 12:17
L3	951	L1 L2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/24 12:17
L4	360532	(magnetic adj (recording media medium tape disk disc ribbon))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/24 12:17
L5	76215	magneto\$1optic magneto\$1optical photo\$1magnetic photo\$1magnet opto\$1magnet opto\$1magnetic (magneto adj (optic optical)) (photo adj (magnet magnetic)) (opto adj (magnet magnetic))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/24 12:17
L6	18717	(perpendicular adj (magnetization anisotropy magnet magnetic)) (vertical adj (magnetization anisotropy magnet magnetic))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/24 12:17
L7	90202	MR magneto\$1resistive\$1 (magneto adj resistive)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/24 12:18
L8	161	3 and 7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/24 12:18
L9	33	6 and 8	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/24 12:18

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	13	"5889641".oref.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/24 13:07
L2	65	("4228473" "4581529" "5633450" "4893207" "4945400" "5124961" "5152597" "5199090" "5237548" "5296988" "5325116" "5325244" "5536926" "5614714" "5625483" "5691865" "5729411" "5737302" "5742419" "4796226" "5065390" "5124961" "5353268" "5440530" "5625617" "5889641" "5986978" "6016290" "6130864" "6185177" "6307832" "6320841" "6507540" "3176278" "3368209" "3512170" "3611420" "3612759" "3939302" "4428069" "4466004" "4679103" "4833662" "4935835" "4954907" "5089747" "5117408" "5120927" "5136439" "5193034" "5210672" "4405961" "4478076" "5409547" "5477701" "5850324" "5889641" "5966275" "6128160" "6167095" "6226233" "6396670" "5025430" "5530685" "5625617" "5889641" "5986978" "6016290" "6130779" "6317280" "20020192506").pn.	US-PGPUB; USPAT	OR	ON	2006/03/24 13:15
L4	272	(CHEN near1 "GA-LANE").in:	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/24 13:41
L5	33	4 and (MO magneto\$1optic\$2 (magneto adj optic\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/24 13:49
L6	10	("5266409" "5604005" "5648162" "5858477" "5896350" "5958649" "5946281" "6055222" "6104675" "6181478").pn.	USPAT	OR	ON	2006/03/24 13:55
L7	7	("6324131" "6319583" "6268073" "5440530" "6226233" "6226315" "6104675").pn.	USPAT	OR	ON	2006/03/24 13:56